

RAILROAD REALIGNMENT AND STABILIZATION USING POLYURETHANE INJECTION TECHNOLOGY

THURSDAY, NOVEMBER 16 | 11 AM – NOON | ZOOM

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SUMMARY

A 25-year-long study at Transportation Technology Center, Inc.'s (TTCI) FAST (Facility for Accelerated Service Testing) displayed positive and surprising results using polyurethane injection technology to stabilize ballast and sub-ballast and realign the tracks to then be tested under load. Other testing performed by TEC Engineering displayed a rapid and exponential increase in compressive strengths based on soil types and underwent rapid load deformation testing, again yielding incredibly positive results. Subsidiary benefits during the TTCI testing displayed the production of lateral earth pressure surrounding the injection sites. Case studies also will be provided.



KYLE OLSEN
Project Manager



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